EXHIBIT 17

Message

From: Barney Pierce [barnaby@google.com]

Sent: 10/26/2017 9:48:21 PM

Subject: Fwd: DSP Advertiser Perception Report - US **Attachments**: 2017 PIR - DSP for Google Platforms 003.pdf

Sharing as I am sure this group would be interested in findings as well.

Thanks for passing this on @dantaylor

Cheers Barney

----- Forwarded message -----

From: **Barney Pierce** < <u>barnaby@google.com</u>>

Date: Wed, Oct 25, 2017 at 5:06 PM

Subject: DSP Advertiser Perception Report - US

To: ggcore < guycore@google.com>

Cc: APAC-GTM-PD <apac-gtm-pd@google.com>

Hi there.

Sharing the 2017 **DSP Advertiser Perception Report** from the US in case you've not seen this already. Only US companies were surveyed but some interesting insights, especially as they relate to how we stack up against Amazon.

My high level summary if you don't want to read the report:

- Programmatic will eclipse 'Direct with online publisher' spending in 2018
- 8/10 customers are accelerating commitment or making programmatic a priority; only 5% reducing commitment
- Fraud, Brand safety continue to be biggest concerns for marketers
- Marketers trend towards bringing programmatic buying in house, but fewer marketers are actually exploring this option compared to previous years
- 7/10 buyers still heavily rely on Agency for programmatic buying
- What customers value most from their ADTECH partners: 1) Partnership/understanding of needs, 2) platforms functionality and 3) transparency; Google ranks well across these areas
- Only 25% of advertisers characterize DBM as a DSP; 29% think it's an adnetwork, 20% a DMP
- AAP (Amazon Ad Platform) and DBM are the most 'familiar' and 'used' DSP's; AAP ranking above DBM on both. DBM ranking higher than AAP when it comes to future purchase intention
- DBM, AAP lead on display and mobile, Tremor on Video
- Key factors driving DSP selection: Audience scale/reach, API and integrations,

Troubleshooting/QA; DBM leading across these areas; AAP not far behind though.

- Quality of post ad campaign evaluations and insights is another critical driver of DSP selection;
 DBM leads, closely followed by AAP
- What advertisers value the most for their DSP: Make it easy to work with, be responsive and tech expertise. DBM is top for tech expertise, but well below competitors for responsiveness and being easy to work with.
- AAP is the most preferred DSP, followed by DBM

Cheers Barney

Barney Pierce

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--

Barney Pierce

Director, Platforms and Display Go To Market, APAC

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DSP Report, Wave 3

Part of the Programmatic Intelligence Report Portfolio

2017



What Advertisers Think™

The More You Know
The Stronger Your Brand
The More You'll Sell™



Methodology and Respondent Profiles

Leading Ad Categories

amazon 💒 at&t

ACarnival

DIAGEO

Johnson Johnson

Go gle

pepsi

★Macys

Capital()

Walmart





Representing

Top 200 Advertisers in the U.S.

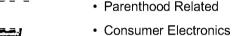
Kraft Heinz

MillerCoors

ĽORÉAL

AstraZeneca 2

COMCAST

























VISA

SAMSUNG

Microsoft

DIENER



Home & Appliance

· Consumer Packaged Goods

Financial Products/Services



Automotive

Education

Entertainment

Toiletries & Cosmetics

· Pharmaceuticals

· Quick Service Restaurants

Retail

Technology

· Telecommunications

Travel

700+ Key Decision Makers

- · Sample: Marketer and Agency contacts from The Advertiser Perceptions Media Decision Maker Database and third-party databases as needed.
- Main Qualification: Involved in the purchase of programmatic advertising: Used or Worked with DSPs, DMPs, or Managed Services in past year.
- · Fielded: June 2017
- Incentives include cash & data

Respondents totals:

• N=364 DSP Report

• N=327 DMP Report

N=294 Managed Services Report

Ranging in title:

49% VP and above

36% Director/Supervisor

• 15% Manager/Planner/Buyer

Expressing opinions from:

- 48% Agencies
- 52% Marketers

Advertiser Perceptions 2

Programmatic Adoption & Attitudes

Demand Side Platforms

Data Management Platforms

Managed Services

Digital Marketing Hubs

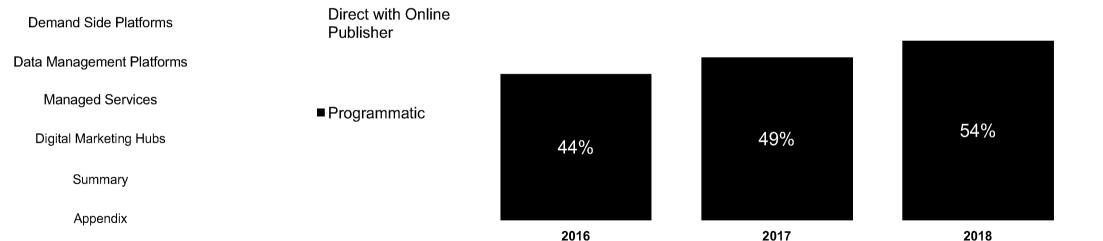
Summary Appendix

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Programmatic eclipsing direct spending

Allocation of Digital/Mobile Advertising
Average Percent

Marketplace Overview



Q: What percent of your <u>digital/mobile</u> advertising spend went to each last year (2016)? How much are you allocating to each this year (2017)? How do you expect your spend to be allocated next year (2018)?

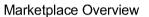
Base: Total Programmatic Respondents

Advertiser Perceptions 3

GOOG-DOJ-11021169

8 out of 10 are accelerating or making programmatic a priority

Characterization of Attitude Towards Programmatic Advertising
Percent of Respondents



Demand Side Platforms

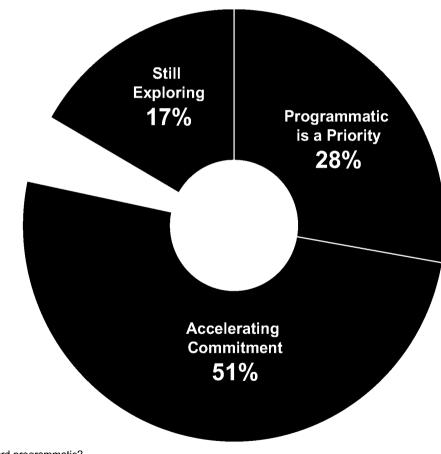
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Q: How would you characterize your current attitude toward programmatic? Base: Total Programmatic Respondents

% Point

Agencies and marketers now in sync on advantages of programmatic: Better targeting, data, efficiency

Top Issues Programmatic Ad Buying Solves (Rank 1-3) Percent of Respondents

Programmatic Adoption & Attitudes

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AG	AGENCIES							
1	Improved targeting capabilities	41%	+1					
2	Better control of data, audiences and tactics	36%	-2					
3	More cost efficient than publisher direct	35%	0					
4	Better time and resource efficiency	34%	+1					
5	Broader reach	25%	-4					
6	Price transparency	23%	0					
7	Better in-flight optimization	22%	N/A					
8	Simplifies the RFP process	16%	-2					
9	More creative options	14%	-8					
10	Agency revenue driver	13%	-6					

MA	RKETERS		% Point Change from Prior Wave
1	Improved targeting capabilities	47%	+9
2	Better control of data, audience & tactics	37%	+1
3	Better time and resource efficiency	36%	+1
4	Broader reach	32%	0
5	More cost efficient than publisher direct	31%	0
6	Offers unique targeting data/opportunities	30%	N/A
7	More creative options	22%	-8
8	Simplifies the RFP process	22%	-1
9	Better in-flight optimization	21%	N/A
10	Price transparency	20%	-8

Q: Which of the following are the top issues that programmatic ad buying helps solve? Base: Total Programmatic Respondents

Biggest concerns about programmatic? Fraud, brand safety, verification

Most Negative Aspects of Programmatic Ad Buying (Rank 1-3) Percent of Respondents

> % Point Change from Prior Wave

	1	Fraud	39%	+12 🕇
Programmatic Adoption & Attitudes	2	Brand safety	26%	+9 🕇
Demand Side Platforms	3	Verification issues	25%	+3
Data Management Platforms	4	Lack of human interaction	21%	-1
Managed Services	5	Placement transparency	20%	+1
Digital Marketing Hubs	6	Poor inventory quality	20%	+1
Summary	7	Client education gap (knowledge of programmatic)	17%	+1
Appendix	8	Pricing transparency	17%	0

Q: Which of the following are the most negative aspects of programmatic ad buying? Base: Total Programmatic Respondents

In-house: most marketers see it as software integration over managed service

Definition of Bringing Programmatic Buying "In-House"
Percent of Marketer Respondents

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"Having complete <u>integration of the software</u> and managing the programmatic buying of media and data usage"

"Utilizing marketing or advertising technology partners to help manage the use of data to buy advertising programmatically"



Q: Which of the following would you use to define what it means to bring programmatic buying "in-house"? Base: Marketers Exploring or Committed to Bringing Buying In-House

Advertiser Perceptions 7

GOOG-DOJ-11021173

Outsourcing will it move in-house? Marketers—more than agencies—lean to 'yes'

"Advertisers/marketers will increasingly bring programmatic buying in-house and out of the hands of agencies."

Percent Agree with Statement (4-5)

Programmatic Adoption & Attitudes

Demand Side Platforms

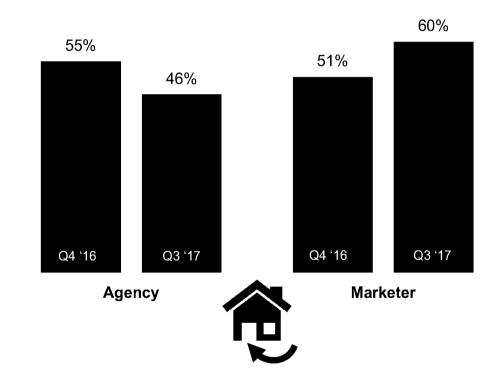
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Q: Please indicate how strongly you either agree or disagree with each of the following statements regarding programmatic buying overall. (5 point scale, where 1=Strongly Disagree and 5=Strongly Agree)

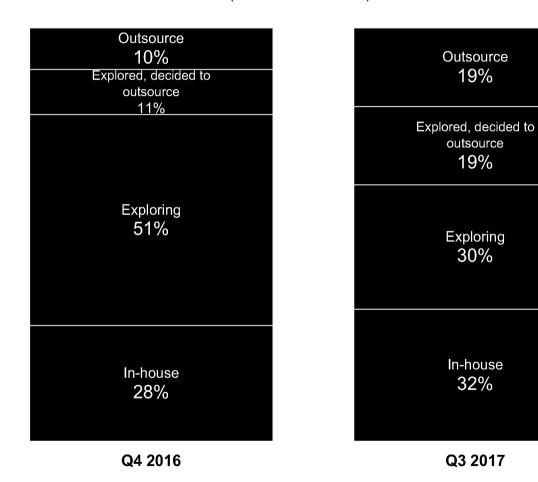
Base: Total Programmatic Respondents

Advertiser Perceptions 8

Trend toward in-house? Indeed, but fewer marketers are exploring

Resourcing for Programmatic (Percent of Marketers)



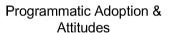


Q: Which of these situations applies to you in terms of your level of committing funds and resources to bring programmatic buying in-house? Base: Marketers

Advertiser Perceptions 9

To what degree are marketers relying on agencies for programmatic buying? 7 of 10

How Programmatic Media-Buying Is Conducted
Percent of Marketer Respondents



Demand Side Platforms

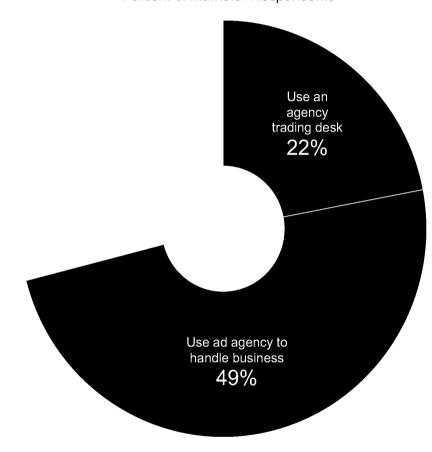
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Q: For programmatic media-buying, which of the following ways do you conduct trading? Base: Marketers Involved in Programmatic

When advertisers think of ad tech partners, what do they want most? Collaboration, technology, transparency

Partnership/ Understanding of Needs

Platform Functionality

Transparency

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Go ge

facebook

theTradeDesk

amazon

Go ge





facebook

♣ Advertiser Perceptions 11

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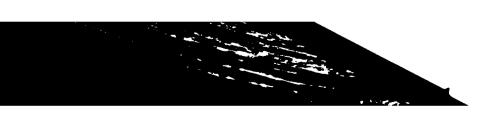
Q: Thinking of ad tech partners in general, what do you most want from the company you work with in terms of creating the best possible ad tech implementation for you to achieve your programmatic advertising goals?

Q: Which single company (media brand or ad tech brand) does the best job? Base: Total Programmatic Respondents



A Rose is a Rose: What's in a Name?

How advertisers think of the LumaScape categories





dvert

tvertiser Perceptions 12

A rose by any other name . . . DSPs

Programmatic Adoption & Attitudes

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Generally Accep	ted List of DSPs
Adobe Advertising Cloud Formerly TubeMogul	OoubleClick End Managar w Geogle
amazon	 MediaMath
AppNexus	DSP DSP
Bidtellect	.: OpenX
BrightRollYAHOO!	∞rocke tfuel
centro	theTradeDesk
criteo	TREMOR VIDEO
Data $\mathfrak{X}\overline{\mathbb{U}}$ Data. Insight. Action.	TURN
drawbrid e	VIANT.
dstillery	j videology

on of DSPs
25%
24%
22%
21%
20%
19%
19%
19%
18%
18%
17%
16%
15%

Only 1-in-4 advertisers characterize DoubleClick Bid Manager as a DSP

Not a DSP

Not a DSP

Q100a: How would you characterize the following brands? Base: Total Programmatic Respondents

Advertiser Perceptions 13

Advertisers just don't know how to characterize certain brands

% of respondents stating "I don't know"

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Demand Side Platforms

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C•) accordantmedia	39%
	37%
	37%
VIANT.	36%
INDEX EXCHANGE	34%
"OpenX	34%
\ \RICK	34%
criteo	33%

Q100a: How would you characterize the following brands? Base: Total Programmatic Respondents

Advertiser Perceptions 14

What do people think DBM is?

% of respondents

1	Ad Network	29%
2	DSP	25%
3	DMP	20%
4	DMH	18%
5	ATD	17%
6	SSP	15%
7	Managed Service	15%
8	Other/Don't Know	10%

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Q100a: How would you characterize the following brands? Base: Total Programmatic Respondents

Advertiser Perceptions 15

Demand Side Platforms

- Familiarity: AAP and DBM continue to lead
- DBM and AAP still the most used DSPs
 - Future intentions: DBM and AAP in their own tier at the top
- What drives DSP selection? Audience scale is key
 - DBM leads across board in top 3 selection criteria
- Quality of campaign analysis is a critical driver of selection
 - DBM ahead of competitors in post-ad campaign
- Ease of working relationship with DSP a key factor for advertisers, but challenge for DBM
- Who is the most preferred DSP? AAP, followed by DBM
- TTD, AAP, DBM in cluster for Net Promoter Score leadership





Demand Side Platforms Measured

Adobe Advertising Cloud
Formerly TubeMogul

criteo

OpenX

amazon

Data Xū

*∞*rocketfuel

theTradeDesk*

AppNexus

BrightRoll

centre

drawbrid e

TREMOR VIDEO

Demand Side Platforms

Programmatic Adoption &

Attitudes

Bidtellect[°]

dstillery

TURN

Managed Services

Data Management Platforms

O DoubleClick
Bid Manager by Google

, 0, (,

Digital Marketing Hubs

MediaMath

VIANT.

Summary

DSP DSP

exchanges, through one interface.

Appendix

⊙vid∈ology

Advertiser Perceptions 17

is a company that

allows advertising

clients to buy digital

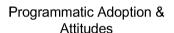
media on several

different selling

systems, or

Self-serve or managed service approach? Marketers evenly split Agencies lean on partners to manage programmatic for them

How Demand Side Platforms Are Used
Percent of Respondents



Demand Side Platforms

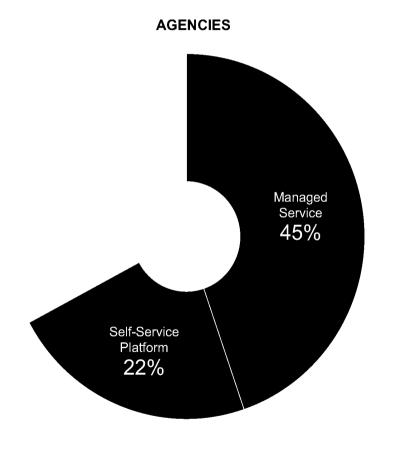
Data Management Platforms

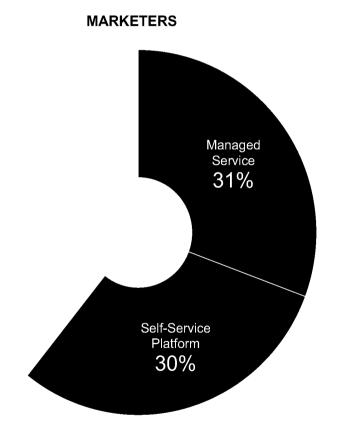
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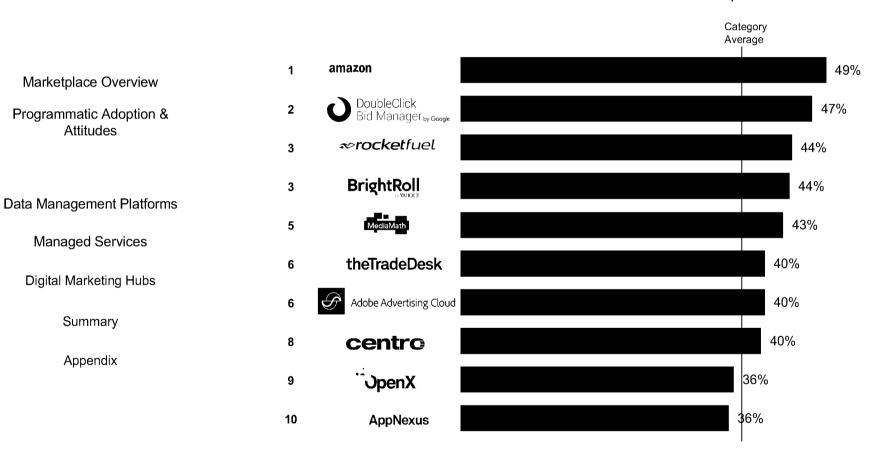


Q: In what way do you use DSPs? Base: Use Demand Side Platforms

Advertiser Perceptions 18

Familiarity: AAP and DBM continue to lead

Familiarity with Demand Side Platforms (8-10) (Top 10) Percent of Respondents

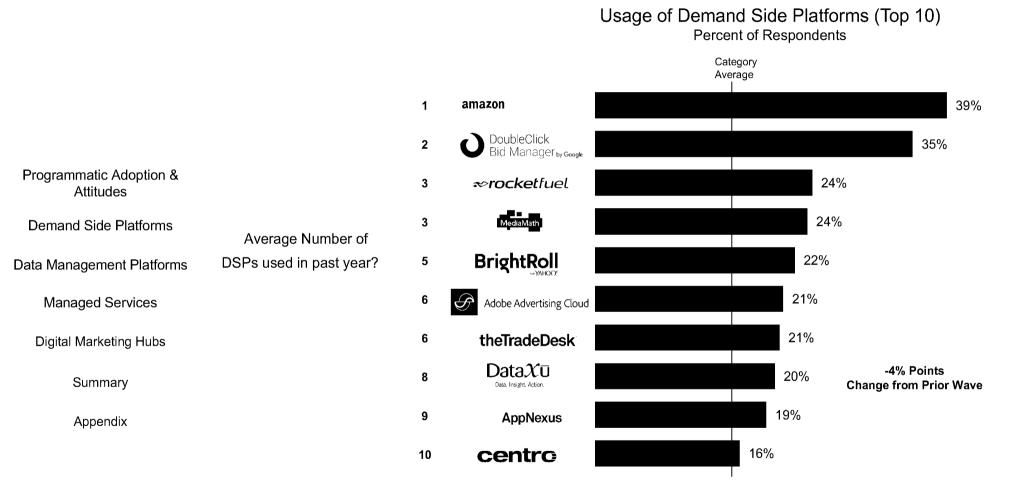


Agencies 51% Marketers 44%

Q: How familiar are you with each of the following Demand Side Platforms (DSPs)? Base: Use Demand Side Platforms

Advertiser Perceptions 19

DBM and Amazon most used DSPs



Q: Which of these Demand Side Platforms (DSPs) you said you are familiar with have you used in the past year? Base: Use Demand Side Platforms

AAP and DBM: Significant lead in agency usage

Usage of Demand Side Platforms (Top 10) Percent of Respondents

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AGENC	IES		% Point Change from Prior Wave
1	O DoubleClick Bid Manager _{by Google}	37%	-2
1	amazon	37%	-1
3	∞rocke tfuel	28%	-3
4	MediaMath	25%	-2
4	theTradeDesk	25%	0
4	Adobe Advertising Cloud	25%	-2
7	BrightRoll "YALKX"	23%	-1
8	Data $\mathfrak X \overline{\mathbb U}$	22%	-4
9	centro	20%	-1
10	TURN	19%	-3

MARKE	ETERS		% Point Change from Prior Wave
1	amazon	44%	-1
2	O DoubleClick Bid Manager by Google	35%	1
3	MediaMath	22%	-3
3	∞rocke tfuel	22%	-1
5	BrightRoll YAHOO!	21%	0
6	AppNexus	19%	-3
6	Data $oldsymbol{\mathcal{X}}ar{f U}$ Data. Insignt. Act on.	19%	-5
8	Adobe Advertising Cloud	18%	0
9	theTradeDesk	17%	0
10	j videology	15%	-3

Q: Which of these Demand Side Platforms (DSPs) you said you are familiar with have you used in the past year? Base: Use Demand Side Platforms

Future intentions: DBM & AAP gaining on next tier

Purchase Intention of Demand Side Platforms (8-10) (Among Top 10 Used)

Percent of Respondents

Programmatic Adoption & Attitudes

Demand Side Platforms

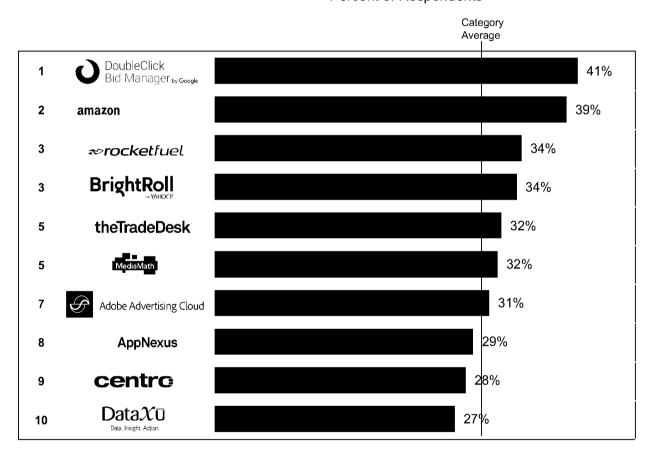
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Q: How likely are you to actually use each of the Demand Side Platforms (DSPs) you said you are considering for use in the coming year? Base: Use Demand Side Platforms

AAP & DBM lead in display and mobile

Demand Side Platform Usage Among Ad Type/Format (Top 10 Overall) Percent of Respondents

	Display				Mobile			Video		
	1	ObubleClick Old Managet by Coogle	54%	1	amazon	50%	1	TREMOR	55%	
Marketplace Overview	2	DSP DSP	54%	2	O DoubleClick	49%	2	o videology	51%	
Programmatic Adoption &	3	amazon	51%	3	MediaMath	42%	3	BrightRoll	47%	
Attitudes	4	∞rocket fuel	44%	4	∞rocke tfuel	39%	4	OoubleClick Bid Manager by Google	45%	Agencies 51% Marketers 39%
Data Management Blotforms	5	theTradeDesk	43%	5	Adobe Advertising Cloud	37%	5	Adobe Advertising Cloud	41%	
Data Management Platforms	5	MediaMath	43%	6	theTradeDesk	36%	6	DSP DSP	39%	
Managed Services	8	DataXū Data. Insight. Action.	39%	6	DSP	36%	7	∞rocket fuel	38%	
Digital Marketing Hubs	9	centre	37%	8	AppNexus	35%	8	theTradeDesk	35%	
Summary	9	 OpenX	37%	8	centre	35%	8	amazon	35%	
Appendix	10	TURN	37%	9	Data $X\overline{\mathbf{U}}$ Data. Insight. Action.	34%	10	MediaMath	34%	

Q: For which type of advertising would you use each Demand Side Platform (DSP) you are familiar with? Base: Familiar with Demand Side Platform (Variable Base)

Determining drivers influencing plans to use DSPs

Programmatic Adoption & Attitudes

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Selection Criteria:

- · API and integrations
- Forecasting tools
- Media optimization of placements during a campaign
- QA/Troubleshooting capabilities
- Reporting features
- Identity management
- Marketplace quality (including verification partner integrations white lists, black lists, brand safety, fraud, etc.)
- Audience scale or reach
- Audience targeting capabilities
- Margin/budget management tools
- Easy to use interface/UX

Analytics and Insights:

- Thought leadership (white papers, articles on insights about market, technology, applications)
- · Audience analytics reporting
- Quality of post ad campaign evaluation, insights, recommendations
- · Quality of training and application QA
- Innovation and roadmap insight

Sales and Support:

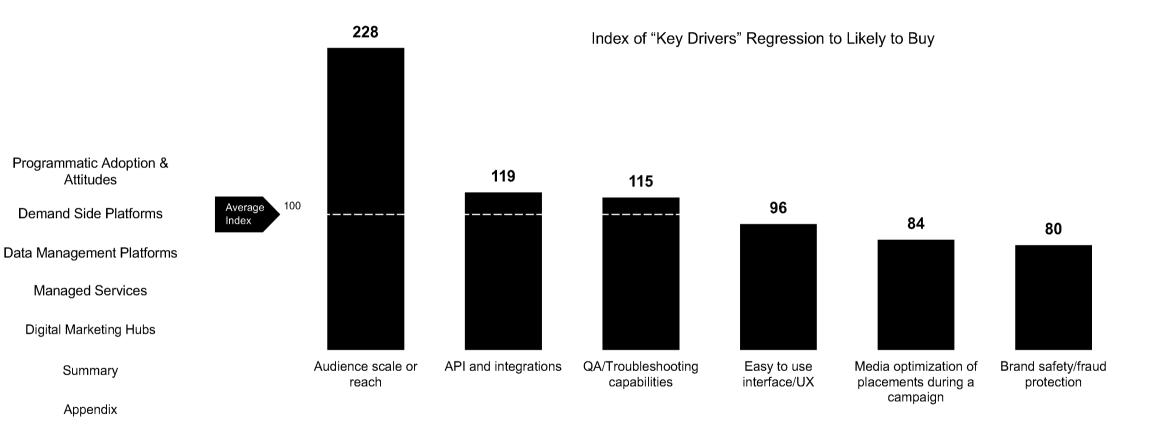
- Technology expertise
- · Understanding of client goals, needs
- Responsiveness to client needs during and post implementation
- Is easy to work with
- Q: How likely are you to actually use each of the Demand Side Platforms (DSPs) you said you are considering for use in the coming year? Base: Total Respondents
- Q: How would you rate each Demand Side Platform (DSP) on the following criteria?
- Q: Based on your own experience, please rate each Demand Side Platform's (DSP's) research and insights efforts in communicating its value as an advertising vehicle at each stage in the campaign.
- Q: Based on your own experience, please rate each Demand Side Platform's (DSP's) sales team based on the following sales capabilities.

Base: Considering Demand Side Platform in the Coming Year (Variable Base)

Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Advertiser Perceptions 24

What drives DSP selection? Audience scale is key



Q: How likely are you to actually use each of the Demand Side Platforms (DSPs) you said you are considering for use in the coming year? Base: Total Respondents

Q: How would you rate each Demand Side Platform (DSP) on the following criteria? Base: Considering Demand Side Platform in the Coming Year (Variable Base)

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Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Advertiser Perceptions 25

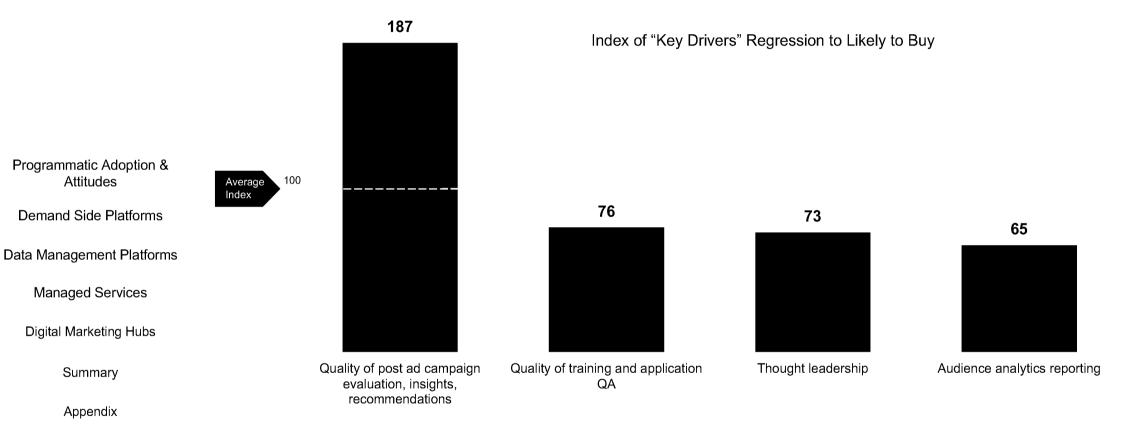
DBM leads across board in top 3 selection criteria

Highly Impressed with Demand Side Platform (Among Top 10 Used) Index of Percent Rating 8-10

	Audience scale or reach				API and integrations			QA/Troubleshooting capabilities			
	1	O DoubleClick Bid Manager by Google	140	1	O DoubleClick Bid Manager by Google	129	1	O Do	oubleClick id Manager _{by Google}	121	Agencies 136 Marketers 106
Marketplace Overview	2	amazon	134	2	MediaMath	122	2	M	ediaMath	115	
Programmatic Adoption & Attitudes	3	theTradeDesk	130	3	amazon	110	3	the	eTradeDesk	114	
Autodos	4	MediaMath	127	4	theTradeDesk	107	4		ata $\mathfrak{X} \overline{\mathbb{U}}$ ata. Insight. Action.	112	
Data Management Platforms	5	Adobe Advertising Cloud	98	5	Adobe Advertising Cloud	95	5	amazo	n	108	
Managed Services	6	centre	90	6	∞rocket fuel	86	6	Ado	be Advertising Cloud	99	
Digital Marketing Hubs	7	∞rocke tfuel	86	6	centre	86	6	CE	entro	99	
Summary	8	BrightRoll	85	6	Data XŪ Data. Irsight. Action.	86	8	≈ro	cke tfuel	96	
Appendix	9	AppNexus	83	9	BrightRoll	83	9	Brig	ghtRoll "YALIDO!	74	
	10	Data X Ū Data. Irsight. Action.	59	10	AppNexus	80	10)	AppNexus	73	

Q: How would you rate each Demand Side Platform (DSP) on the following criteria? Scale: (1-3=Not Very Impressed; 4-7=Moderately Impressed; 8-10=Highly Impressed) Base: Considering Demand Side Platform in the Coming Year (Variable Base)

Quality of campaign analysis is a critical driver of selection



Q: How likely are you to actually use each of the Demand Side Platforms (DSPs) you said you are considering for use in the coming year? Base: Total Respondents

Base: Considering Demand Side Platform in the Coming Year (Variable Base)

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Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Q: Based on your own experience, please rate each Demand Side Platform's (DSP's) research and insights efforts in communicating its value as an advertising vehicle at each stage in the campaign.

DBM ahead of competitors in post-ad campaign

Highly Impressed with Demand Side Platform (Among Top 10 Used)
Index of Percent Rating 8-10

Quality of post ad campaign evaluation, insights, recommendations

	1	O DoubleClick Bid Manager by Google	120
Marketplace Overview	2	amazon	112
Programmatic Adoption &	3	MediaMath	110
Attitudes	4	theTradeDesk	102
Data Maria sansart Diatfarras	5	BrightRoll	95
Data Management Platforms	6	<i>∞rocke</i> tfuel	92
Managed Services	7	centre	91
Digital Marketing Hubs	8	Data X U Data I right Action.	83
Summary	9	AppNexus	81
Appendix	10	Adobe Advertising Cloud	78

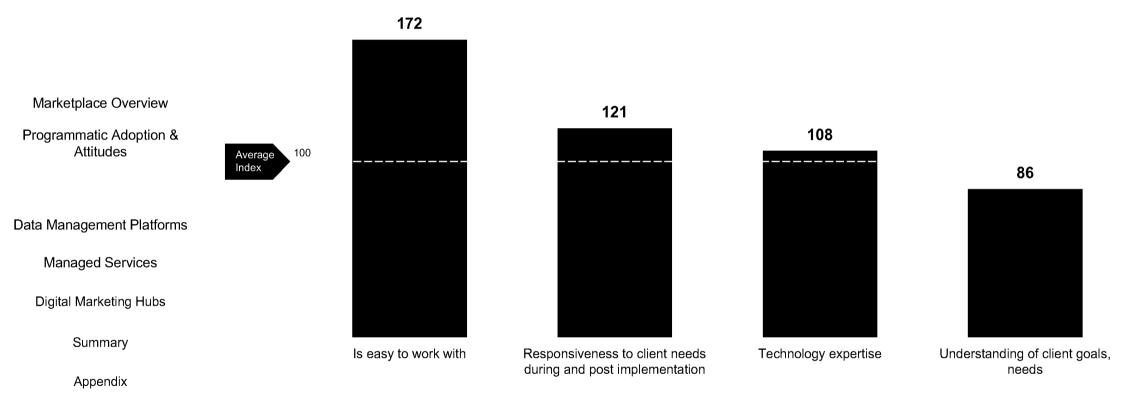
Q: Based on your own experience, please rate each Demand Side Platform's (DSP's) research and insights efforts in communicating its value as an advertising vehicle at each stage in the campaign.

Scale: (1-3=Not Very Impressed; 4-7=Moderately Impressed; 8-10=Highly Impressed)
Base: Considering Demand Side Platform in the Coming Year (Variable Base)

♣ Advertiser Perceptions 28

Working with a DSP: What advertisers value most: Make it easy, be responsive, have tech expertise

Index of "Key Drivers" Regression to Likely to Buy



Q: How likely are you to actually use each of the Demand Side Platforms (DSPs) you said you are considering for use in the coming year? Base: Total Respondents

Q: Based on your own experience, please rate each Demand Side Platform's (DSP's) sales team based on the following sales capabilities. Base: Considering Demand Side Platform in the Coming Year (Variable Base)

Regression Analysis is a statistical method designed to derive the relationship between characteristics and/or behaviors. Advertiser Perceptions now utilizes regression analysis to show relationships between selection criteria and their influence on plans to buy. The analysis determines which criteria have the greatest impact on achieving the desired results.

Ease of working relationship with DSP is a key factor for advertisers, but challenge for DBM

Highly Impressed with Demand Side Platform (Among Top 10 Used)

Index of Percent Rating 8-10

		Is easy to work with				Responsiveness to client needs during and post implementation				Technology expertise			
	1	amazon	117		1	centro	115		1	DoubleClick Bid Manager by Google	131		
Madadalaa Oosaalaa	2	theTradeDesk	110		2	amazon	114		2	amazon	120		
Programmatic Adoption & Attitudes	3	$egin{aligned} Data \mathcal{X} \overline{U} \ Data. \ Irsight. \ Action. \end{aligned}$	105		3	Media Math	107		3	centro	106		
	4	OboubleClick Bid Manager by Google	104	Agencies 112 Marketers 94	4	O DoubleClick Bid Manager by Google	102	Agencies 118 Marketers 87	4	theTradeDesk	103		
	5	<u>Media M</u> ath	103		5	theTradeDesk	101		5	MediaMath	99		
Data Management Platforms	6	Adobe Advertising Cloud	101		6	Adobe Advertising Cloud	99		6	Data X Ū Data. Irsight. Action.	98		
Managed Services	7	∞rocket fuel	97		7	Data X Ū Data, Ingight, Action.	95		7	Adobe Advertising Cloud	97		
Digital Marketing Hubs	8	centro	96		8	AppNexus	85		8	BrightRoll WARDON	87		
Summary	9	AppNexus	88		9	≈rocke tfuel	83		9	AppNexus	75		
Appendix	10	BrightRollYALKXY	71		10	BrightRoll "YAHOO!	73		10	∞rocket fuel	72		

Q: Based on your own experience, please rate each Demand Side Platform's (DSP's) sales team based on the following sales capabilities. Scale: (1-3=Not Very Impressed; 4-7=Moderately Impressed; 8-10=Highly Impressed)

Base: Considering Demand Side Platform in the Coming Year (Variable Base)

Stronger with agencies, DBM at merely average in 2 of 3 key sales criteria

Sales Coverage by Demand Side Platforms (Among Top 10 Used)
Index of Percent

	Market or Training Presentations			Received collateral				Any communication			
	1	Media Math	156		1	amazon	184		1	centre	121
Marketplace Overview	2	theTradeDesk	130		2	ODoubleClick Bid Manager by Google	145	Agencies 141 Marketers 149	2	amazon	109
Programmatic Adoption & Attitudes	3	<i>∞rocketfue</i> l	104		3	centro	127		3	OoubleClick Bid Manager by Google	105
	4	amazon	100		4	BrightRoll YAHOOY	107		4	MediaMath	102
Data Management Platforms	5	centre	96		5	MediaMath	91		5	≈rocke tfuel	99
Managed Services	6	O DoubleClick Bid Manager by Google	90	Agencies 98 Marketers 79	6	theTradeDesk	81		6	theTradeDesk	98
Digital Marketing Hubs	7	Data XŪ Data. Insight. Action.	81		7	Adobe Advertising Cloud	79		7	BrightRoll "YALOO"	92
Summary	8	BrightRoll	77		8	∞rocke tfuel	77		8	Data X Ū Data Iršight Action.	91
Appendix	9	AppNexus	66		9	Data Xū Data. Insight. Action	63		9	AppNexus	86
	10	Adobe Advertising Cloud	58		10	AppNexus	48		10	Adobe Advertising Cloud	84

Q: For each Demand Side Platform (DSP), please indicate whether in the past 90 days you have... Base: Considering Demand Side Platform in the Coming Year (Variable Base)

Advertiser Perceptions 31

DBM trails competitors with in-person meetings, but excels in web conference meetings

Sales Coverage by Demand Side Platforms (Among Top 10 Used)
Index of Percent

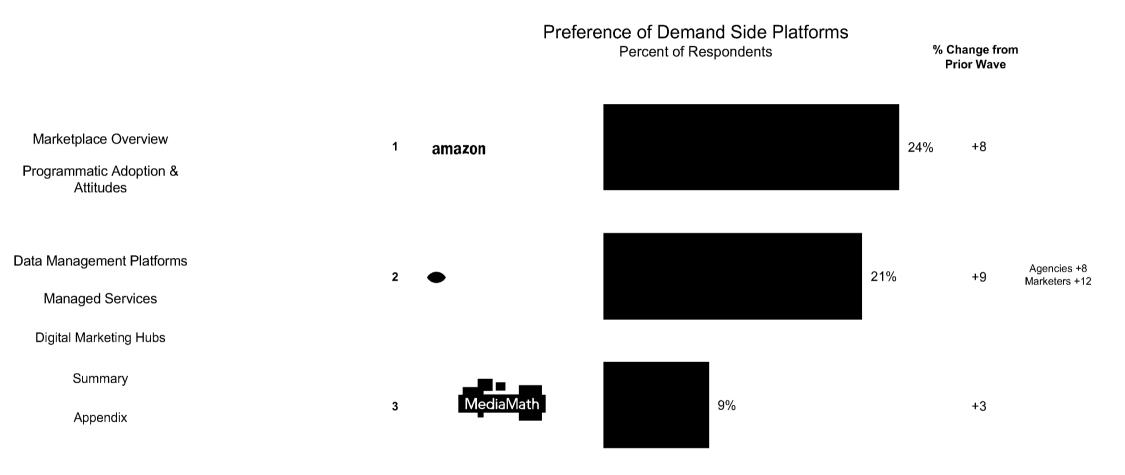
		Meetings (net)*				Web/phone meetings		
	1	MediaMath	139		1	O DoubleClick Bid Manager by Google	133	Agencies 124 Marketers 144
Marketplace Overview	2	amazon	112		2	theTradeDesk	128	
Programmatic Adoption & Attitudes	3	theTradeDesk	111		3	centro	112	
	4	∞rocket fuel	110		4	amazon	108	
Data Management Platforms	5	centro	106		5	BrightRoll YALOCY	98	
Managed Services	6	$Data \mathcal{X} ar{U}$	88		6	AppNexus	97	
Digital Marketing Hubs	7	O DoubleClick Bid Manager by Google	68	Agencies 61 Marketers 74	7	Data Xū Data Insight. Action.	96	
Summary	8	BrightRoll	66		7	≈rocke tfuel	96	
Appendix	9	Adobe Advertising Cloud	62		9	Media Math	91	
	10	AppNexus	55		10	Adobe Advertising Cloud	72	

Advertiser Perceptions 32

Q: For each Demand Side Platform (DSP), please indicate whether in the past 90 days you have...

Base: Considering Demand Side Platform in the Coming Year (Variable Base) *Meetings (net): Net of in-person individual or small group meetings, presentations, and meeting with sales person at events

Who is the most preferred DSP? AAP, followed by DBM



Q: If you were to only send out one RFP for an advertising campaign, which of these Demand Side Platforms (DSPs) would you choose? Base: Intending to Use Demand Side Platform in the Coming Year (Fixed Base)

Advertiser Perceptions 33

Q: What does [BRAND] do or offer that makes them your preferred partner?

Q: Where can [BRAND] be even better or improve? Base: Selected Brand As Preferred (Variable Base)

DBM moving up to lead cluster for Net Promoter Score

Likelihood to Recommend Demand Side Platforms (Among Top 10 Used) Percent of Respondents/Score

			Promoters (%)	Detractors (%)	Net Promoter Score (NPS)	Rank from Prior Wave
Marketplace Overview	1	theTradeDesk	41%	21%	20	1
Programmatic Adoption &	2	amazon	40%	23%	18	6
Attitudes	2	O DoubleClick Bid Manager by Google	38%	20%	18	7
	4	Media Math	37%	21%	16	5
Data Management Platforms	5	∞rocket fuel	42%	26%	15	3 (tie)
Managed Services	5	Adobe Advertising Cloud	38%	23%	15	8 (tie)
Digital Marketing Hubs	7	AppNexus	37%	25%	12	3 (tie)
Summary	8	centre	34%	25%	9	8 (tie)
Appendix	8	Data $X\bar{\mathbf{U}}$	40%	31%	9	2
, ippolitativ	10	BrightRollYAIDO!	34%	28%	6	10

Net Promoter Score

Equals Promoters Less Detractors
Promoters – Rated 9-10
Passives – Rated 7-8
Detractors – Rated 0-6

Q: How likely would you be to recommend to a colleague the Demand Side Platform(s) (DSPs) you have used in the past year? Base: Use Demand Side Platforms (Variable Base)

Advertiser Perceptions 34

In summary: Amazon and Google at/or near top across board

Key Metrics Among Top 10-Used Demand Side Platforms Percent of Respondents/Score

	Familiarity (8-10)		Usage		Consideration (8-10)		Buying Intention (8-10)		10)	Net Promoter Score (NPS)		e			
Marketplace Overview	1	amazon	49%	1	amazon	39%	1	amazon	53%	1	OboubleClick RollFigure(GrayGoogle	41%	1	theTradeDesk	20
Programmatic Adoption &	2	O DoubleClick Build Literator by Couple	47%	2	OpubleClick	35%	2	O DoubleClick	47%	2	amazon	39%	2	O DoubleClick	18
Attitudes	3	∞rocket fuel	44%	3	∞rocket fuel	24%	3	∞rocket fuel	42%	3	≈rocket fuel	34%	2	amazon	18
	4	BrightRollYALROO!	44%	3	MediaMath	24%	4	BrightRoll	40%	3	BrightRoll YALKOCY	34%	4	MediaMath	16
Data Management Platforms	5	MediaMath	43%	5	BrightRoll YALIOO!	22%	5	Adobe Advertising Cloud	39%	5	theTradeDesk	32%	5	∞rocket fuel	15
Managed Services	6	theTradeDesk	40%	6	Adobe Advertising Cloud	21%	6	theTradeDesk	38%	5	MediaMath	32%	5	Adobe Advertising Cloud	15
Digital Marketing Hubs	6	Adobe Advertising Cloud	40%	6	theTradeDesk	21%	6	Media Math	38%	7	Adobe Advertising Cloud	31%	7	AppNexus	12
Summary	6	centre	40%	8	Data X Ū Data. Insight. Action.	20%	8	AppNexus	35%	8	AppNexus	29%	8	centre	9
·	8	AppNexus	36%	9	AppNexus	19%	9	Data XŪ Data. Insight. Action.	33%	9	centre	28%	8	DataXŪ Data. Insight. Action.	9
Appendix	9	Data X Ū Data. Insight. Action.	35%	10	centre	16%	10	centre	31%	10	DataXū Data. Irsight. Action.	27%	10	BrightRoll	6

Advertiser Perceptions 35

Executive Summary

- Familiarity: AAP and DBM continue to lead
- DBM and AAP still the most used DSPs
 - Future intentions: DBM and AAP in their own tier at the top
- What drives DSP selection? Audience scale is key
 - DBM leads across board in top 3 selection criteria
- Quality of campaign analysis is a critical driver of selection
 - DBM ahead of competitors in post-ad campaign
- Ease of working relationship with DSP a key factor for advertisers, but challenge for DBM
- Who is the most preferred DSP? AAP, followed by DBM
- DBM moves into lead cluster for Net Promoter Score

Marketplace Overview

Programmatic Adoption & Attitudes

Demand Side Platforms

Data Management Platforms

Managed Services

Digital Marketing Hubs

Appendix

DBM Strengths and Challenges

Strengths

- Top of mind in all areas related to consideration: familiarity, usage, consideration, intention
- Leading now in all 3 selection criteria that drive DSP selection
- Perceived to be leading in post-campaign insight delivery

Challenges

- AAP continues to vie for leadership in consideration and ratings criteria
 - And DBM trails AAP in the "most preferred" DSP metric
- DBM does not excel in "easy to work with," and this is a critical intention driver
- Perhaps related to "ease" challenge, DBM has a cluster of competitors for NPS leadership

Marketplace Overview

Programmatic Adoption & Attitudes

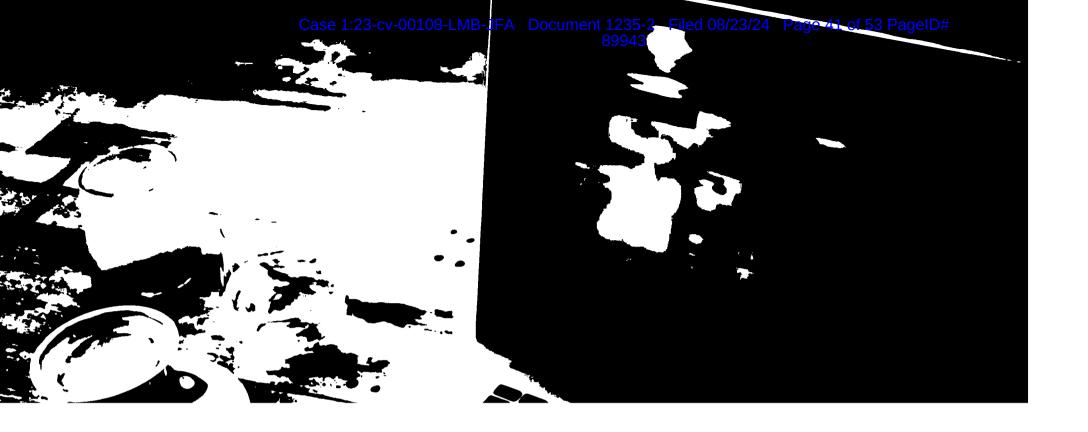
Demand Side Platforms

Data Management Platforms

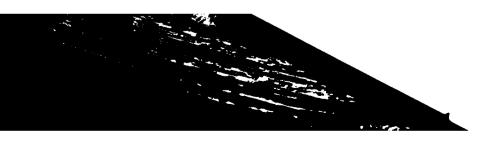
Managed Services

Digital Marketing Hubs

Appendix



Appendix









Most see themselves as fairly well-versed in programmatic

Adoption Level of Programmatic Advertising
Percent of Respondents

Marketplace Overview

Demand Side Platforms

Data Management Platforms

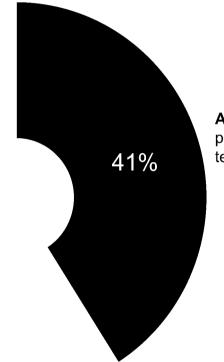
Managed Services

Digital Marketing Hubs

Summary

Appendix

Beginning: exploring as a programmatic marketer



Advanced: in a relatively advanced position with programmatic/ technology-based advertising buying

Intermediate: somewhere in the middle of beginning and advanced

Q: Which of the following best characterizes [your agency's/your company's] experience and skills in programmatic? Base: Total Programmatic Respondents

Advertiser Perceptions 39

Header bidding: advertiser see it as big plus



Percent of Respondents

What is the value of header bidding for your advertising campaigns?

Percent of Respondents

Programmatic Adoption & Attitudes

Demand Side Platforms

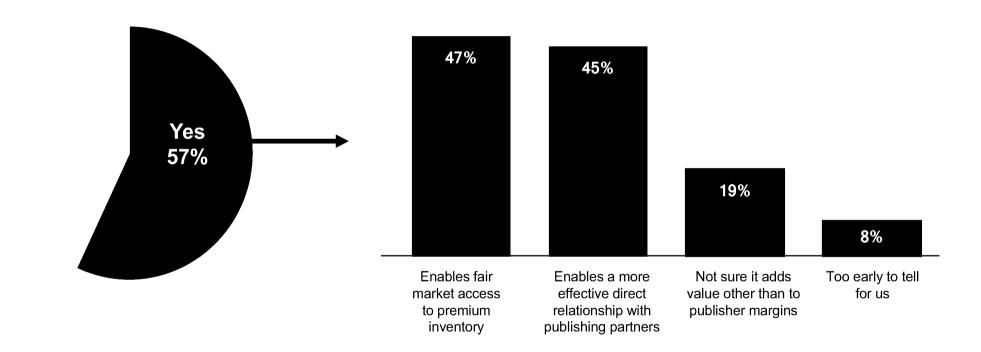
Data Management Platforms

Managed Services

Digital Marketing Hubs

Summary

Appendix



Q: Are you familiar with header bidding?
Base: Total Programmatic Respondents
Q: What is the value of header bidding for your advertising campaigns?
Base: Familiar With Header Bidding

Advertiser Perceptions 40

As newer categories, advanced TV, social, audio, native, OOH have less usage among DSPs

Demand Side Platform Usage Among Ad Type/Format (Top 10 Overall)

Percent of Respondents

	Advanced/Connected TV			Social					Audio			
	1	Adobe Advertising Cloud	31%	1	ODoubleClick Bild Managet by Google	27%	Agencies 23% Marketers 33%	1	amazon	23%		
Marketplace Overview	2	theTradeDesk	27%	2	amazon	26%		2	theTradeDesk	21%		
Programmatic Adoption & Attitudes	2	amazon	27%	3	theTradeDesk	23%		2	Bidtellect [*]	21%		
	5	⊙ vid∈ology	24%	4	∞rocket fuel	22%		2	MediaMath	21%		
D 4 M 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5	DoubleClick	24%	6	dstillery	21%		5	O DoubleClick did Manager by Google	20%		
Data Management Platforms Managed Services	5	VIANT.	24%	6	drawbrid e	21%		6	∞rocket fuel	19%		
-	5	TURN	24%	8	Media Math	20%		6	·· OpenX	19%		
Digital Marketing Hubs	9	MediaMath	23%	8	AppNexus	20%		8	Adobe Advertising Cloud	18%		
Summary	9	TREMOR	23%	8	BrightRoll	20%		8	drawbrid e	18%		
Appendix	9	 OpenX	23%	8	TREMOR Criteo	20%		8	centre	18%		

Q: For which type of advertising would you use each Demand Side Platform (DSP) you are familiar with? Base: Familiar with Demand Side Platform (Variable Base)

As newer categories, advanced TV, social, audio, native, OOH have less usage among DSPs

Demand Side Platform Usage Among Ad Type/Format (Top 10 Overall)

Percent of Respondents

	Native		Digital Out-of-Home			
	1 DoubleClick Old ivlanage: by Coogle	29% 1	amazon	15%		
Marketplace Overview	1 amazon	29% 2	DoubleClick	14% Agencies 12% Marketers 17%		
Programmatic Adoption &	1 theTradeDesk	29% 3	Adobe Advertising Cloud	11%		
Attitudes	4 Bidtellect	26% 3	.: OpenX	11%		
	5 ≈rocketfuel	25% 3	Bidtellect [*]	11%		
Data Management Platforms	6 VIANT.	23% 6	theTradeDesk	10%		
Managed Services	7 drawbrid e	22% 6	AppNexus	10%		
Digital Marketing Hubs	7 DSP	22% 6	M edia M ath	10%		
Summary	7 MediaMath	22% 9	VIANT.	9%		
Appendix	7 Adobe Advertising Cloud	22% 9	drawbrid e	9%		

Q: For which type of advertising would you use each Demand Side Platform (DSP) you are familiar with? Base: Familiar with Demand Side Platform (Variable Base)

Brand Characterization

		DSP	DMP	Digital Marketing Hub	Ad Networks	Supply Side Platform	Agency Trading Desk	Managed Service	Other/ Don't Know
	Amazon Advertising Platform	18%	15%	23%	42%	15%	14%	19%	10%
	Accordant Media	10%	12%	16%	18%	11%	12%	10%	39%
	Accuen	10%	13%	15%	18%	10%	15%	7%	37%
	Adobe Audience Manager	10%	20%	22%	23%	11%	12%	14%	21%
	AppNexus	18%	16%	16%	19%	15%	12%	12%	26%
	BrightRoll (Yahoo)	22%	16%	21%	35%	13%	14%	13%	14%
Marketplace Overview	Cadreon	10%	12%	15%	16%	12%	14%	8%	37%
•	Centro	14%	14%	15%	25%	10%	12%	13%	29%
	Criteo	13%	11%	16%	20%	11%	9%	10%	33%
	DataXu	19%	18%	18%	19%	12%	11%	10%	26%
	Experian	11%	21%	19%	17%	14%	11%	18%	22%
Demand Side Platforms	DoubleClick Bid Manager	25%	20%	18%	29%	15%	17%	15%	10%
	Index Exchange	8%	11%	19%	17%	12%	16%	7%	34%
Data Management Platforms	Krux (now a part of Salesforce)	9%	17%	19%	18%	11%	11%	9%	33%
Data Management Flationns	Marketo	9%	14%	24%	16%	12%	9%	13%	30%
Managed Services	MediaMath	21%	19%	20%	22%	12%	13%	11%	20%
Wanagea Gervices	OpenX	12%	10%	17%	19%	15%	13%	8%	34%
D: 11 1 1 1 1 1 1 1	Oracle/Bluekai	15%	27%	24%	21%	16%	14%	20%	12%
Digital Marketing Hubs	ONE by AOL Audience	16%	14%	17%	29%	11%	12%	12%	24%
	Rocket Fuel	24%	19%	17%	28%	12%	12%	12%	17%
Summary	Rubicon	19%	15%	15%	23%	17%	18%	10%	22%
	The Trade Desk	19%	15%	17%	20%	10%	32%	10%	15%
Appendix	Tremor Video	16%	15%	17%	32%	12%	11%	11%	20%
	Adobe Ad Cloud (formerly TubeMogul)	17%	20%	22%	25%	12%	13%	15%	18%
	Turn	20%	16%	18%	20%	10%	11%	8%	29%
	Varick Media	11%	10%	14%	19%	12%	13%	12%	34%
	Viant	11%	11%	16%	20%	10%	9%	9%	36%
	Xaxis	12%	14%	16%	17%	11%	15%	9%	33%

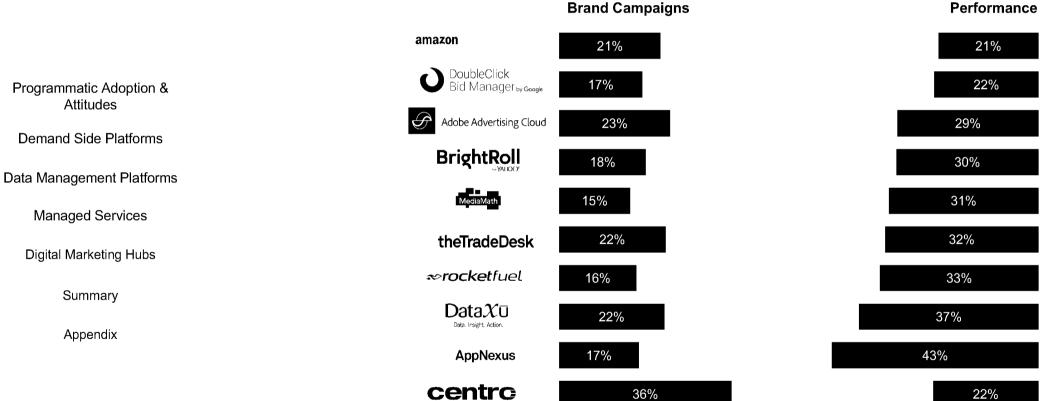
Q100a: How would you characterize the following brands?

Base: Total Programmatic Respondents

♣ Advertiser Perceptions 43

Adobe, Google, Amazon most likely to be used for brand or both brand & performance

Type of Campaign Demand Side Platform Primarily Used For (Among Top 10 Used) Percent of Respondents



Q: Among the Demand Side Platforms (DSPs) you have used in the past year, what type of campaigns are they primarily used for? Base: Used Demand Side Platform in Past Year (Variable Base)

How the best brands are delivering ad tech implementation

Go ge

"Their ad stack is so integrated across products on buyer, seller, and publisher sides that it's relatively simple to activate strong campaigns quickly."

- Agency Director

"Provides very good reporting on the ads that we buy and real time, which gives us the ability to make adjustments while in flight."

- Marketer VP

"They offer the most options to us and are able to support us very well." - Agency Supervisor

"They have all the resources and data analysis that we need."
- Marketer Manager

ot a buying tool, but do a great job gaining efficie

"Not a buying tool, but do a great job gaining efficiencies for advertisers and help manage very large budgets."

- Agency Planner

"Placement verification." - Agency President

"I mostly just like their interface."
- Agency Director



"It is surprisingly the most likely to target our audience desired."
- Marketer Executive

"They know their exact audience makeup."
- Agency VP

Q: What do they do especially well?

Base: Total Programmatic Respondents

Marketplace Overview

Demand Side Platforms

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Summary

Appendix

Advertiser Perceptions 45

How the best brands are delivering ad tech implementation

theTradeDesk*



Marketplace Overview

"[They] allow for data transparency." - Agency Director

"I believe they have the best algos & excellent proprietary data." - Agency VP

Demand Side Platforms

"Great interface and platform connects to all major tech vendors."

- Agency Director

Data Management Platforms

"They seem to be ahead of the curve when it comes to managing things like targeting, scale, performance... I think all of them need to lead with verification and fraud abatement tools. Location verification is an example of an area where these guys need improvement.."

Managed Services

- Agency Director

Digital Marketing Hubs

Summary

Appendix

"Customer service is top notch. It costs more to use them but we feel we get the value back in service.." - Agency VP

"They are smaller and really give great service, their tracking is spot on." - Agency Director

"As a whole it seems like when it comes to results they always seem like the top tier in this regard (especially when it comes to the DSP realm). As a whole you very rarely ever see any flack from the company because again they are an authority in this arena and for good reason to be candid. I also think the fact that they are independent is also another reason why as a company they are able to do what they do. To be candid, they really are trailblazers in retrospect considering this point."

- Marketer Executive

"They have algorithms and proprietary data that are industry leading" - Marketer Director

Q: What do they do especially well? Base: Total Programmatic Respondents

How the best brands are delivering ad tech implementation

centre

"They are reliable and always hear us and our requests." - Agency Director

Marketplace Overview

Demand Side Platforms

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Appendix

"They have a hands-off (self managed) approach that works very well for us, but at any time, we can also switched over to managed services if our workload gets to hectic. And they provide great customer service compared to most self managed platforms when questions come up. They are also very helpful during the planning phase, helping us to maximize the use of their tools."

- Marketer Manager

"A lot of data partners and great support."
- Agency Director

"They understand our needs and resolve issues as soon as possible."
- Agency Director

Q: What do they do especially well? Base: Total Programmatic Respondents

facebook

"They are forward thinking and have advised that they are now going to provide more info on what sites ads appear on."

- Agency VP

"Targeting capabilities."
- Marketer Executive

"While their platform is limited in terms of placement they do have a dependable audience with a lot of unique targeting options. We like that we can start an ad campaign almost immediately and narrowly target our desired audience. Their reporting is adequate.."

- Agency Director

"They can ingest our 3rd party data and provide audiences at scale."
- Agency Supervisor

Aol.

"Predictive segments. And now with the Verizon partnership, it opens up more targeting capabilities."

- Marketer Manager

"Their account management team is very good. transparency, recommendations, relationship building, they're on top of it when it comes to finding and fixing errors."

- Marketer Manager

YAHOO!

"They understand financial services and the needs/concerns in the space." - Agency VP

> "Better understanding of the requirements." - Marketer Director

Advertiser Perceptions 47

72% of marketers still consider the agency trading desk model valid

"Slightly **outdated** and might become obsolete in the near future, but **still contains** a **great deal of insight**."

- VP

"I feel ATDs are **antiquated** with the availability of programmatic advertising. I now see them as an **unnecessary expense and step** when buying our advertising."

- Director

Programmatic Adoption & Attitudes

Demand Side Platforms

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Managed Services

Digital Marketing Hubs

Summary

Appendix

"There is still an **advantage** to using the resources available from this type of buying platform especially for companies that have a **limited budget**."

- Director

"Most advanced direct capabilities are now available through web based formats."

- Strategic Executive

Q: Is the agency trading desk model still valid? Please explain your response. Base: Marketers Involved in Programmatic

♣ Advertiser Perceptions 48

DSP Usage Among Ad Type/Format

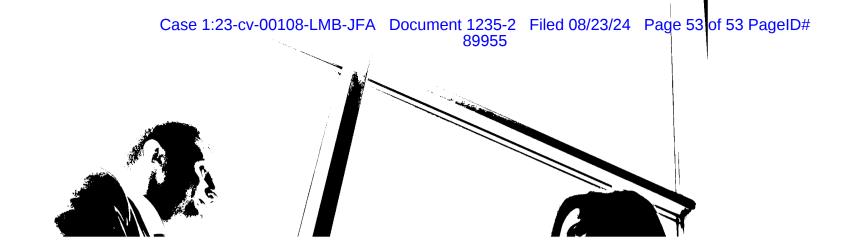
	-	
Percent c	it Respo	ndents

Top Format By Brand

Marketplace Overview
Programmatic Adoption & Attitudes
Demand Side Platforms
Data Management Platforms
Managed Services
Digital Marketing Hubs
Summary

			. 0.00	o				
	Display	Mobile	Video	Advanced TV	Audio	Native	Social	Digital OOO
Adobe Advertising Cloud	36%	37%	41%	31%	18%	22%	19%	11%
Audience Adobe Buyer	33%	35%	29%	27%	22%	21%	22%	11%
amazon	51%	50%	35%	27%	23%	29%	26%	15%
AppN exus	34%	35%	32%	21%	16%	21%	20%	10%
Bidtellect	25%	26%	23%	21%	21%	26%	17%	11%
BrightRoll	31%	32%	47%	20%	15%	19%	20%	7%
centre	37%	35%	26%	19%	18%	19%	18%	8%
criteo	35%	30%	27%	16%	15%	19%	20%	7%
Data X Ū Data ir sajūt. Act cir.	39%	34%	29%	17%	15%	18%	14%	7%
drawbrid e	30%	32%	25%	20%	18%	22%	21%	9%
dstillery	32%	28%	24%	19%	17%	19%	21%	8%
O DoubleClick	54%	49%	45%	24%	20%	29%	27%	14%
×	43%	42%	34%	23%	21%	22%	20%	10%
DSP DSP	54%	36%	39%	18%	10%	22%	18%	6%
 OpenX	37%	30%	25%	23%	19%	16%	16%	11%
∞rocke tfuel	44%	39%	38%	19%	19%	25%	22%	8%
theTradeDesk	43%	36%	35%	27%	21%	29%	23%	10%
TREMOR	17%	24%	55%	23%	14%	18%	20%	8%
TURN	37%	30%	30%	24%	16%	22%	16%	6%
VIANT.	32%	31%	30%	24%	16%	23%	18%	9%
j videology	20%	18%	51%	24%	17%	19%	14%	9%

Q: For which type of advertising would you use each Demand Side Platform (DSP) you are familiar with? Base: Familiar with Demand Side Platform (Variable Base)





What Advertisers Think™

The More You Know
The Stronger Your Brand
The More You'll Sell™







Advertiser Perceptions